

**FAUQUIER COUNTY GOVERNMENT AND PUBLIC SCHOOLS  
FINANCE DEPARTMENT, PROCUREMENT DIVISION**

320 Hospital Drive Ste. 23  
Warrenton, Virginia 20186  
Phone: (540) 422-8354 Fax: (540) 422-8355

**NOTICE OF CONTRACT RENEWAL**

1. DATE: April 5, 2021
2. COMMODITY NAME: Open-Ended A/E Services – Industrial/Environmental Engineering
3. CONTRACT NUMBER(S): 23-17ksc
4. CONTRACT PERIOD:  
Renewal #1 April 17, 2017 – March 1, 2018  
April 1, 2018 – March 31, 2019  
Renewal #2 April 1, 2019 – March 31, 2020  
Renewal #3 April 1, 2020 – March 31, 2021  
*Final Renewal #4 April 1, 2021 – March 31, 2022*
5. CONTRACTORS:  
  
Apex Companies, LLC  
9700 Capital Court, Suite 100  
Manassas, VA 20110  
Phone (703)-396-6730 Ext 4303  
Fax (703) 396-6743  
Contact: Andrea Heller  
[aheller@apexcos.com](mailto:aheller@apexcos.com)  
  
Froehling & Robertson  
22923 Quicksilver Drive, Suite 111  
Dulles, VA 20166  
Phone (703) 996-0123  
Fax (703) 996-0123  
Contact Christy Slaw  
[cslaw@fandr.com](mailto:cslaw@fandr.com)
7. TERMS: Net 45
8. FOR FURTHER INFORMATION CONTACT: Kathy H. Stanley, CPPB, Senior Buyer  
PH (540) 422-8354

NOTICE TO ALL FAUQUIER COUNTY GOVERNMENT AND PUBLIC SCHOOL USING DEPARTMENTS: This contract is the result of a competitive bid program and its use must follow the FCG&PS Procurement Policy/Procedures for the purchase of the commodity listed herein. Please see the reverse side of this notice for further instructions regarding this contract.

## INSTRUCTIONS

1. **Orders: All Using Departments must order services listed by issuing a Purchase Orders per the Procurement Procedures Manual, after following the instructions below. An extra copy of the Procedures Manual can be obtained by calling Procurement at (540) 422-8351 or 8352.**

### **PROJECT ORDERS AND PROCEDURES FOR ORDERING SERVICES FOR OPEN-END ARCHITECTURAL SERVICES:**

#### **Types of Project Orders:**

Lump Sum Fee Project Orders: Lump sum fees shall be negotiated individually for each project and issued as a separate Purchase Order (pricing shall be based on the attached hourly fee schedule and provided as itemized components of the lump sum fee)

Hourly Rate Project Orders: When the scope of services involves work of such nature that the Firm cannot reasonably estimate the time which would be required to provide the services, the Using Department may authorize an Hourly Rate based on the actual hours worked times the hourly rates indicated on the attached fee schedule and other approved expenses. A maximum Purchase Order fee or cost not to exceed limitation shall be agreed upon for Hourly Rate Purchase Orders. When an Hourly Rate Purchase Order is used, the Firm shall submit detailed time records, documentation for other expenses, and such other evidence as the Using Department may require to support the Firm's billing request. Invoices must include contract hourly rate, position title, number of hours and original invoices for consumables and or sub-contractors.

#### **Procedures for Ordering Services**

*Coming soon: Using Departments will utilize these contracts on a rotating basis, using a spreadsheet the Procurement Division will develop and post on the County Intranet, to ensure equitable sharing of tasks among all awarded Firms.* The Using Department will request a lump sum fee or hourly rate proposal for each Project from the Firm. At the Firm's expense, the Firm shall visit the site and prepare a detailed proposal for accomplishing the services. The Firm shall determine feasibility of the proposed budget at this time. The Firm shall prepare a detailed lump sum or hourly rate (as applicable) fee proposal for accomplishing the services.

The Using Department will evaluate the Firm's fee proposal and may negotiate a suitable lump sum fee or a "not to exceed" amount with the Firm. Prompt completion of fee negotiations is imperative. Following successful negotiations, the Using Department will prepare a purchase order for the agreed scope of work and fee proposal, incorporating by reference the terms and conditions of this contract and forward to the Procurement Division. Once the Procurement Division has processed the purchase order (and assigned a number) the Using Department will authorize and instruct the Firm to proceed with the appropriate phase of the work. All purchase orders shall incorporate by reference the terms of this agreement.

All Proposals/Quotes must reference the appropriate contract number. If a contract number is not on the Proposal/Quote the vendor must be notified to provide revised documentation.

The Firm shall not perform any work that has not been authorized by a written purchase order (or change order) executed by the Procurement Division. The Firm assumes all risk and financial liability for any services rendered without such proper authorization.

The Using Department reserves the right, at its sole discretion, to issue purchase orders to any Open-End firm based on its evaluation of each Firm's qualifications, expertise, capabilities, performance record, current workload, location or distance to the project and other factors as may be pertinent to a particular project.

Purchase Order Restriction/Maximum Fee Limitation: No individual purchase order fee shall exceed \$500,000\* under contracts awarded within Open-End A/E contracts, and the sum of all projects during the contract term shall not exceed \$1,500,000\*. If a project is expected to be over this amount, requirements shall be forwarded to the Procurement Division and a separate RFP will be done for that project.

*\* These levels raised per Procurement Policy revisions effective with the fourth/final renewal of this contract.*

Change Orders: Change orders, authorized by the Procurement Division, may be issued to modify the scope of a Purchase Order. Change orders may add to, delete or otherwise modify the scope of services against a particular Purchase Order.

In making any modifications, the resulting increase or decrease in cost for the modification shall be determined by one of the following methods:

- A. The written modification shall stipulate the mutually agreeable fixed price for the specific addition to and/or deletion from the scope of work and/or specifications which shall be added to or deducted from the total contract amount.
  - B. The written modification shall direct the Firm to proceed with a specific scope of work and to keep, and present in a form as the Using Department may direct, a correct account of the actual man-hours by category and discipline and the time sheets therefor. The fee amount will be the man-hours expended multiplied by the hourly rates specified in attached hourly fee schedule. No additional increase for overhead and profit will be allowed. Changes using this procedure will usually specify a maximum amount.
2. All correspondence and documents (to include invoices) shall reference the contract number, applicable purchase order number and any project reference number the Using Department may identify.
  3. Approval of Firm's invoice is the responsibility of the receiving using department. Make sure to validate the hourly rates for each position against the contract.
  4. Any complaint as to quality of services or violation of contract provisions by the Firm shall be reported to the Procurement Division for handling with the Firm. All complaints must be submitted in writing and can be forwarded to Procurement via fax, e-mail or courier.
  5. Renewals: No renewals remain for this contract; a new solicitation will be released approximately 90 days prior to final expiration of this last contract term.
  6. Price Adjustments: Contract prices shall remain firm for the award year. Prices may be negotiated not to exceed the CPI-U, only at the time of renewal. All price increases must be approved by the contract officer. Contract users will be sent notification of contract change from the Procurement office as official notification of such changes, if approved.
  7. Evaluation of Services: At the conclusion of any project performed under this contract, or periodically throughout the project, the Using Department is requested to complete an Evaluation Form and return to the Procurement Division. This will be kept in the contract file for renewal and contract performance purposes.

**Contract # APEX 23-17ksc**  
**Open End, As Required Industrial Environmental Engineering Services**  
**Updated pricing for 2021-2022 as noted below**



<b>Service Level Description</b>	<b>2021</b>
Assistant Project Manager	\$120
Project Manager	\$146
Sr. Project Manager	\$156
CIH/CSP/Program Manager	\$172
Principal	\$192
Engineer I	\$88
Engineer II	\$109
Engineer III	\$130
Sr. Engineer	\$166
Scientist/Geologist/Hydrogeologist I	\$78
Scientist/Geologist/Hydrogeologist II	\$99
Scientist/Geologist/Hydrogeologist III	\$120
Sr. Scientist/Geologist/Hydrogeologist	\$125
Asbestos/Lead Inspector	\$78
Asbestos Management Planner	\$83
Asbestos Abatement Designer	\$94
Asbestos Project Monitor/Industrial Hygiene Tech (IHT)	\$78
IAQ Specialist	\$88
Laborer	\$57
Technician I	\$68
Technician II	\$73
Technician III	\$88
Foreman	\$94
Superintendent	\$120
UST Technician	\$88
UST Supervisor	\$104
Clerical Support	\$57
Draftsperson/CADD Operator	\$83
Stormwater/E&S Inspector	\$78
GIS Tech	\$78
Wetland Specialist/Permit Writer	\$166
Asbestos Airborne Fiber Analysis, PCM 24-hour TAT	\$8.40/each
Asbestos Airborne Fiber Analysis, TEM 24 hr TAT	\$55.50/each
Asbestos Bulk Sample Analysis, PLM 3-day TAT (Standard)	\$8.25/each
Asbestos Bulk Sample Analysis, PLM 24-hour TAT (Rush)	\$9.75/each
Particle Identification, PM 10 and PM 2.5 Analysis	\$45/each
Lead Paint Analysis, Paint Chip and/or Air 3-day TAT (Standard)	\$7.80/each
Lead Paint Analysis, Paint Chip and/or Air 24-hour TAT (Rush)	\$8.50/each
Lead in Drinking Water Analysis, 3-day TAT (Standard)	\$65.50/each
TCLP, Lead Analysis, 3-day TAT (Standard)	\$55.25/each

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Spore Trap Analysis 24-hour TAT (Standard)	\$35/each
Mold Traps/ Air O Cells (Cassettes Only)	\$7.50/each
Swab/Bulk Fungal Analysis 24-hour TAT (Standard)	\$35/each
Swab/Bulk Bacteria Analysis 24-hour TAT (Standard)	\$35/each
VOC Scan via TO-15 – 1-week TAT (Standard)	\$315.60/each
VOC Scan w/ Library Search via TO-15 – 1-week TAT (Standard)	\$359/each
Nuisance Dust (Total/Respirable) 24-hour TAT (Standard)	\$34.80/each
Sewage Screen 2-day TAT (Standard)	\$95/each
<b>Service Level Description</b>	<b>Hourly Rate/Unit Rate</b>
Geoprobe Vehicle	\$2,500/day
DRO and GRO Analysis	\$84/each
Air Pumps	\$40/day
XRF Analyzer (Lead-Based Paint)	\$570/day
Stormwater Pump 2"	\$150/day
Stormwater Pump 4"	\$300/day
Meters	\$75/day
Microscopes	\$55/day
Trucks	\$125/day
Hand Auger	\$22/day
ISCOs	\$74/day
Generator	\$50.40/day

**Mileage will be billed at GSA rates.** Clarification: Mileage in excess of 100 miles round-trip, billed @ GSA  
**All other direct costs will be billed at cost plus 15%.** Clarification: all other direct costs billed at cost plus  
10% per original contract

**Contract # F&R23-17ksc**  
**Open End, As Required Industrial Environmental Engineering Services**

F & R Contract Pricing below remains the same for final 2021-2022 term

<b>Labor Category</b>	<b>Hourly Rate</b>
Environmental Engineer Senior	146.98
Environmental Engineer IV	121.14
Environmental Engineer III	105.61
Environmental Engineer II	84.26
Environmental Engineer I	66.16
Environmental Planner Senior	146.94
Environmental Planner IV	122.08
Environmental Planner III	106.81
Environmental Planner II	85.22
Environmental Planner I	68.08
Environmental Analyst Senior	131.58
Environmental Analyst IV	111.96
Environmental Analyst III	98.02
Environmental Analyst II	81.40
Environmental Analyst I	64.31
Certified Industrial Hygienist	131.65
Industrial Hygienist IV	104.80
Industrial Hygienist III	93.65
Industrial Hygienist II	79.51
Industrial Hygienist I	58.82
Environmental Scientist Senior	137.88
Environmental Scientist IV	118.32
Environmental Scientist III	100.45
Environmental Scientist II	85.87
Environmental Scientist I	69.24
Environmental Specialist Senior	126.85
Environmental Specialist IV	111.14
Environmental Specialist III	94.67
Environmental Specialist II	78.97

\* F&R Fiscal Year FY) = 1 Apr – 30 Mar.

\* Labor categories and rates highlighted in yellow are those that are most highly anticipated for use in performing services for Fauquier County.

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FROEHLING and ROBERTSON SUBCONTRACTORS SERVICES – Mark UP 10%

Ground Penetrating Radar System for clearing USTs on Site – standard rates - \$800.00per 1/2 day

Utility Locating Services – Standard Rate - \$600.00 per site

Green Services – Standard Rate - \$1,850.00 per day

Odyssey Environmental – Standard Rate - \$2,300.00 per day

Analytical Laboratory Services (Environmental/HAZMAT building materials samples)  
Phase Separation Sciences/SanAir Tech. Laboratory Inc. – Standard Rates Attached

**Phase Separation Sciences**

Analysis	Method	Matrix	Cost
Acidity	SM 2310B (4a)	Water	20.00
Alkalinity (to pH 4.5 & 8.3)	SM 2320B	Water	25.00
Ammonia, Nitrogen	SM 4500-NH <sub>3</sub> B, C, D, E or F / EPA 350.1	Water	40.00
		Solid	55.00
Bacteria, Coliforms	SM 9223B, SM 9221E (Fecal Coliform)	Water	75.00
Bacteria, Heterotrophic (total) Plate Count	SM 9215B	Water	75.00
Bacteroides	SOP	Water	175.00
Biochemical Oxygen Demand (BOD <sub>5</sub> )	SM 5210B	Water	60.00
Bromide	EPA 300.0	Water	35.00
		Solid	50.00
BTEX and/or MTBE and Naphthalene	EPA 8021B	Water, Solid	110.00
BTEX and/or MTBE and Naphthalene	EPA 8260B	Water, Solid	225.00
Chemical Oxygen Demand (COD)	SM 5220D	Water	35.00
Chemical Oxygen Demand, Low Level (COD)	SM 5220D	Water	50.00
Chloride	EPA 300.0	Water	35.00
		Solid	50.00
Chlorine, Total Residual or Free Available	SM 4500 CL-G	Water	60.00
Chromium, Hexavalent	SM 3500Cr B / EPA 7196A	Water	90.00
		Solid	120.00
Coliform, Bacteria	SM 9223B, SM 9221E (Fecal Coliform)	Water	75.00
Conductance	SM 2510B / EPA 120.1	Water, Solid	25.00
Cyanide, Total	SM 4500CN E / EPA 7196A	Water, Solid	60.00
Dioxins	EPA 8290 / 1631	Water, Solid	825.00
Dioxins (2378-tcdd only)	EPA 8290 / 1631	Water, Solid	575.00
Dissolved Gases/Landfill (Methane and/or Ethane, Ethene and Propane)	EPA 8015M	Water, Air	150.00
Extractable Organic Halogens (EOX)	EPA 9020B / 9023 / 9078	Water, Solid, Solvent, Oil	120.00

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Flash Point	EPA 1020A	Water, Solid, Solvent, Oil	75.00
<b><u>Phase Separation Sciences</u></b>			
Fluoride	EPA 300.0	Water	35.00
		Solid	50.00
Gases, Dissolved/Landfill (Methane and/or Ethane, Ethene and Propane)	EPA 8015M	Water, Air	150.00
Glycols (Propylene and Ethylene)	EPA 8015M	Water	250.00
		Solid	275.00
Hardness	SM 2340B or C / EPA 6020A / 200.8	Water	25.00
<b>Analysis</b>	<b>Method</b>	<b>Matrix</b>	<b>Cost</b>
Herbicides, Chlorinated	EPA 8151A	Water, Solid	290.00
Mercury, Cold Vapor	EPA 245.1 / 245.2	Water, Solid	60.00
Mercury, Elemental	EPA 3200	Solid	250.00
Mercury, Low Level	EPA 1631E	Water	125.00
Metals, Total	EPA 6020A / 200.8	Water	30.00
		Solid	55.00
Metals, Total	EPA 6020A / 200.8	Water, Solid	20.00
Metals, Lab Filtering (Dissolved)	EPA 6020A / 200.8	Water	20.00
Metals, RCRA (8)	EPA 6020A / 200.8	Water, Solid	180.00
Metals, Priority Pollutant (13)	EPA 6020A / 200.8	Water, Solid	230.00
Metals, TAL (23)	EPA 6020A / 200.8	Water, Solid	325.00
Moisture Content	SM 2540G	Solid	20.00
Nitrogen, Ammonia	SM 4500-NH <sub>3</sub> B, C, D, E or F / EPA 350.1	Water	40.00
		Solid	55.00
Nitrogen, Nitrate	SM 4500-NO <sub>3</sub> D / EPA 300.0	Water	35.00
		Solid	50.00
Nitrogen, Nitrite	SM 4500-NO <sub>2</sub> B / EPA 300.0	Water	35.00
		Solid	50.00
Nitrogen, Nitrate-Nitrite	SM 4500-NO <sub>3</sub> H	Water	70.00
		Solid	100.00
Nitrogen, Total Kjeldahl (TKN)	SM 4500-NH <sub>3</sub> B, C or E, EPA 351.2	Water	60.00
		Solid	75.00
Oil & Grease (Gravimetric HEM)	EPA 9071BM / 1664A / 1664M	Water, Solid	85.00
Paint Filter Liquids Test	EPA 9095B	Solid	35.00
PCBs (Polychlorinated Biphenyls)	EPA 8082A / 608	Water, Solid, Solvent, Oil	120.00
PCB Congeners	EPA 1668	Water, Solid	950.00



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**Open End, As Required Industrial Environmental Engineering Services**

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Perchlorate	EPA 314.1	Water, Solid	175.00
Pesticides, Organochlorine	EPA 8081B / 608	Water, Solid	120.00
Pesticides, Organophosphorus	EPA 8141	Water, Solid	300.00
<b><u>Phase Separation Sciences</u></b>			
pH – Corrosivity	SM 4500 H+B	Water, Solid	10.00
Phenolics	EPA 420.1, 420.4	Water	125.00
Phosphorus (Ortho or Total)	EPA 365.1 / 365.3 / 300.0 / SM4500-P_E	Water	40.00
		Solid	55.00
Polynuclear Aromatic Hydrocarbons (PAHs)	EPA 8270C / 625	Water, Solid	200.00
Analysis	Method	Matrix	Cost
Polynuclear Aromatic Hydrocarbons (PAHs) Selective	EPA 8270C / 625	Water, Solid	300.00
Priority Pollutant Pesticides	EPA 8081B / 608	Water, Solid	120.00
Priority Pollutant PCBs (Polychlorinated Biphenyls)	EPA 8082A / 608	Water, Solid	120.00
Priority Pollutant Semi-Volatile Organic Compounds	EPA 8270C / 625	Water, Solid	475.00
Priority Pollutant Volatile Organic Compounds	EPA 8260B / 624	Water, Solid	225.00
Product ID or Product Comparison by Gas	Various	Water, Solid, Fuel, Unknown	350.00
Reactivity (Cyanide, Sulfide)	EPA SW 846-7.3	Solid	150.00
Semi-Volatile Organic Compounds	EPA 8270C / 625	Water, Solid	475.00
Semi-Volatile Organic Compounds with	EPA 8270C / 625	Water, Solid	525.00
Solids, Settleable	SM 2540F	Water	25.00
Solids, Total	SM 2540B	Water, Solid	25.00
Solids, Total Dissolved	SM 2540C	Water	25.00
Solids, Total Suspended	SM 2540D	Water	25.00
Solids, Total Volatile	SM 2540E or G	Water, Solid	25.00
Specific Conductance	SM 2510B / EPA 120.1	Water, Solid	25.00
Sulfate	SM 4500-SO4C or D / EPA 300.0	Water	35.00
		Solid	50.00
Sulfide, Total	EPA 9030B / SM4500-S2_F	Water	50.00
Surfactants (CTAS/MBAS)	SM 5540C, D	Water	150.00
TKN, Total Kjeldahl Nitrogen	SM 4500-NH3B, C or E, EPA 351.2	Water	60.00
		Solid	75.00
TO-15 Volatile Organic Compounds in Air	EPA TO-15	Air	275.00
TO-15 Volatile Organic Compounds in Air with	EPA TO-15	Air	325.00
TO-15 Volatile Organic Compounds in Air with Certified	EPA TO-15	Air	375.00
Total Organic Carbon (TOC)	SM 5310B, C or D / Walkley-Black	Water, Solid	90.00

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**Open End, As Required Industrial Environmental Engineering Services**

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Total Organic Halogens (TOX)	EPA 9020B / 9023 / 9078	Water, Solid, Solvent, Oil	120.00
Toxicity Characterization or Synthetic Precipitation Leaching Procedure (TCLP/SPLP) Complete Pkg.	EPA 1311 / 1312 / Various	Solid	1125.00
<b><u>Phase Separation Sciences</u></b>			
Toxicity Characterization or Synthetic Precipitation Leaching Procedure (TCLP/SPLP) Metals, Volatiles and Semi-Volatiles	EPA 1311 / 1312 / Various	Solid	900.00
Analysis	Method	Matrix	Cost
Toxicity Characterization or Synthetic Precipitation Leaching Procedure (TCLP/SPLP) Pesticides and Herbicides	EPA 1311 / 1312 / Various	Solid	365.00
Toxicity Characterization or Synthetic Precipitation Leaching Procedure (TCLP/SPLP) Volatiles Analysis	EPA 1311 / 1312 / 8260B	Solid	375.00
Toxicity Characterization or Synthetic Precipitation Leaching Procedure (TCLP/SPLP) Semi-Volatiles Analysis	EPA 1311 / 1312 / 8270C	Solid	545.00
Toxicity Characterization or Synthetic Precipitation Leaching Procedure (TCLP/SPLP) Herbicides Analysis	EPA 1311 / 1312 / 8151A	Solid	245.00
Toxicity Characterization or Synthetic Precipitation Leaching Procedure (TCLP/SPLP) Metals Analysis	EPA 1311 / 1312 / 6020A	Solid	250.00
Toxicity Characterization or Synthetic Precipitation Leaching Procedure (TCLP/SPLP) Lead Analysis (or any individual metal)	EPA 1311 / 1312 / 6020A	Solid	100.00
Toxicity Characterization or Synthetic Precipitation Leaching Procedure (TCLP/SPLP) TPH DRO	EPA 1311 / 1312 / 8015C	Solid	180.00
Toxicity Characterization or Synthetic Precipitation Leaching Procedure (TCLP/SPLP) TPH ORO	EPA 1311 / 1312 / 8015M	Solid	180.00
Toxicity Characterization or Synthetic Precipitation Leaching Procedure (TCLP/SPLP) TPH GRO	EPA 1311 / 1312 / 8015C	Solid	155.00
TPH - Total Petroleum Hydrocarbons by Gas Chromatography (TPH-GC DRO)	EPA 8015C	Water, Solid	110.00
TPH - Total Petroleum Hydrocarbons by Gas Chromatography (TPH-GC DRO) in Air	EPA TO-13M	Air	275.00

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TPH - Total Petroleum Hydrocarbons by Gas Chromatography (TPH-GC GRO)	EPA 8015C	Water, Solid	85.00
TPH - Total Petroleum Hydrocarbons by Gas Chromatography (TPH-GC ORO)	EPA 8015M	Water, Solid	110.00
<b><u>Phase Separation Sciences</u></b>			
TPH - Total Petroleum Hydrocarbons by Extraction and Gravimetry (TPH SGT-HEM)	EPA 9071BM / 1664A / 1664M	Water, Solid	85.00
Turbidity	EPA 180.1	Water	30.00
Volatile Organic Compounds	EPA 8260B / 624	Water, Solid	225.00
Volatile Organic Compounds with Library Search (NIST)	EPA 8260B / 624	Water, Solid	375.00
Volatile Organic Compounds in Drinking Water	EPA 524.2	Water	225.00
Volatile Organic Compounds in Air	EPA TO-15	Air	275.00
Volatile Organic Compounds in Air with Library Search (NIST)	EPA TO-15	Air	325.00
Volatile Organic Compounds in Air with Certified Cannister	EPA TO-15	Air	375.00

**Contract # F&R23-17ksc**  
**Open End, As Required Industrial Environmental Engineering**  
**Services**

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SAN AIR TECH LABORATORY – Sub Contractor utilized by F&R

Test Code		3hr	6hr	12hr	24hr
ABA	<b>Asbestos Air - PCM NIOSH 7400 Method</b>	\$ 14.50	\$ 11.50	\$ 8.25	<b>\$ 5.50</b>
ABA-2	Asbestos Air - OSHA TWA NIOSH 7400	15.50	12.50	9.25	6.75
ABTEM	<b>Asbestos Air - TEM AHERA</b>	176.75	75.00	65.00	<b>55.00</b>
ABT2	Asbestos Air - TEM Level II	176.75	93.50	78.00	62.50
ABATN	Asbestos Air - TEM NIOSH 7402	187.25	114.50	88.50	78.00
ABEPA	Asbestos Bulk - EPA PLM 400 Point Count	20.75	18.75	17.75	15.50
ABBEN	Asbestos Bulk - EPA PLM NOB	-	-	26.00	24.00
ABBN	Asbestos Bulk - NIOSH 9002	15.50	12.50	9.25	7.75
ABB1K	Asbestos Bulk - PLM EPA 1000 Point Count Per	114.50	93.50	78.00	62.50
ABB	<b>Asbestos Bulk - PLM EPA 600 Per Layer</b>	14.50	11.50	8.25	<b>5.75</b>
ABBCH	Asbestos Bulk - TEM Chatfield	-	156.00	88.50	55.00
ABBTM	Asbestos Bulk - TEM EPA NOB	-	156.00	88.50	55.00
ABDMV	Asbestos Dust MicroVac ASTM D 5755	156.00	104.00	88.50	67.50
ABSP	Asbestos Soil/Vermiculite - PLM CARB 435 (LOD <	104.00	93.50	83.25	72.75
ABSP2	Asbestos Soil/Vermiculite - PLM CARB 435 (LOD	182.00	156.00	130.00	114.50
ABSP1	Asbestos Soil/Vermiculite - PLM CARB 435 (LOD	135.25	124.75	114.50	93.50
ABSE	Asbestos Soil/Vermiculite - PLM EPA 600	67.50	57.25	52.00	38.50
ABWA	Asbestos TEM Wipe ASTM D 6480	156.00	104.00	88.50	78.00
ABHE	Asbestos Water - EPA 100.2	166.50	114.50	98.75	88.50
PLMNY	Asbestos PLM EPA 600/M4-82-020	\$ 14.50	\$ 10.50	\$ 8.25	\$ 6.25
ABEPA2	Asbestos PLM Point Count ELAP 198.1	20.75	18.75	15.50	13.50
ABENY	Asbestos PLM NOB ELAP 198.6			24.00	20.75
ABBNY	Asbestos Bulk - TEM NY ELAP 198.4		156.00	88.50	78.00
<b>Test Code</b>	<b>Analysis</b>	<b>Same</b>	<b>24hr</b>	<b>48hr</b>	<b>3day</b>
AA	<b>Lead - Total Concentration of Lead</b>	\$ 9.25	<b>\$ 7.25</b>	<b>\$ 7.00</b>	<b>\$ 6.75</b>
ICP1	Single Metal Identification	67.50	46.75	41.50	31.25
ICP2	Each Additional Metal Identification	46.75	31.25	26.00	20.75
Hg	Mercury Identification	57.25	46.75	41.50	36.50
RCRA	TCLP/RCRA8		200.00	185.00	175.00
TCLP	<b>TCLP for Lead</b>		<b>75.00</b>	<b>70.00</b>	<b>65.00</b>
TCLP1	TCLP - Each Additional Metal		75.00	70.00	65.00
	<b>Panels</b>				
TAL	Target Analyte List (23) Al, Sb, As, Ba, Be, Cd, Ca, Cr,	416.00	338.00	286.00	254.75
RCRA8	RCRA 8 Metals (8) As, Ba, Cd, Cr, Pb, Se, Ag, Hg	218.50	171.50	140.50	114.50
ICP13	Priority Pollutants (13) Ag, As, Be, Cd, Cr, Cu, Hg, Ni,	364.00	275.50	234.00	202.75
<b>Materials Science</b>					
<b>Test Code</b>	<b>Analysis</b>	<b>Same</b>	<b>24hr</b>	<b>48hr</b>	<b>3day</b>
MMVF	Materials Science - NIOSH 7400 w/ STEM			228.75	187.25
MSP	Materials Science - Special Project; Single Analyte	#####	#####	\$98.75	\$83.25
MSPOP	Materials Science - Optical Particle ID	520.00	260.00	208.00	166.50

**Contract # F&R23-17ksc**  
**Open End, As Required Industrial Environmental Engineering Services**

**F & R Contract Pricing below remains the same for final 2021-2022 term**

SAN AIR TECH LABORATORY – Sub Contractor utilized by F&R

MSPFP	Materials Science - Full Particle ID w/ Chemistry			#####	#####
M6001	IESO/RIA Standard 6001 using both PLM and STEM analyses		520.00	442.00	390.00
M6601P	IESO/RIA Standard 6001 using PLM analysis only	208.00	114.50	98.75	88.50
M6602	ASTM D 6602 Carbon Black & Soot- Optics, Volatiles,			468.00	364.00
M6602P	ASTM D 6602 Char & Opaque Particles- Optics Only		124.75	114.50	104.00
Meth	Meth Wipes Method 9111			90.00	85.00
<b>Gravimetric Methods</b>					
<b>Test Code</b>		<b>Same</b>	<b>24hr</b>	<b>48hr</b>	<b>3day</b>
N0500	NIOSH 0500 Nuisance Dust, Total	41.50	26.00	20.75	17.75
N0600	NIOSH 0600 Nuisance Dust, Respirable	41.50	26.00	20.75	18.25
N5000	NIOSH 5000 Carbon Black	78.00	57.25	46.75	41.50
N5000T	NIOSH 5000 Carbon Black w/ TEM Confirmation	208.00	187.25	176.75	171.50
NADCA	NADCA Vacuum Test for Air Duct Cleanliness	46.75	31.25	26.00	23.00

**Environmental Microbiology Free FedEx standard overnight shipping of samples.**

Test Code	Non-Viable Analysis	3hr	6hr	24hr	48hr
<b>A1 Confid</b>	Trap Analysis - Identification & Enumeration of Fungal Spores, Fander, Fiber & Pollen Counts	\$ 46.50	\$ 20.00	\$ 20.00	\$ 20.00
	<b>Spore Trap Analysis - Identification &amp; Enumeration of</b>	41.50	<b>15.00</b>	15.00	15.00
	<b>Semi-Quantitative Direct Identification of Fungi</b>	41.50	<b>15.00</b>	15.00	15.00
	Direct Identification of Insect Parts, Pollen, Fibers, etc *	41.50	15.00	15.00	15.00
	Quantitative Direct Identification of Fungi	51.50	25.00	25.00	25.00
D4	Direct Identification of Fungi, Insect Parts and Fibers *	46.50	20.00	20.00	20.00
<b>Test Code</b>	<b>Viable Analysis</b>	<b>2-4 Days</b>	<b>5-10 Days</b>		
C1-AP	Air Culture - Identification and Enumeration of Fungi Only		\$35.00		
C2-AP	Air Culture - Identification and Enumeration of Bacteria	\$35.00			
C3-AP	Air Culture - Identification and Enumeration of Fungi &		\$45.00		
C4-AP	Air Culture - Identification and Enumeration of Thermophilic	\$45.00			
C5-AP	Air Culture - Total Bacterial Count	\$22.00			
C6-AP	Air Culture - Total Fungal Count		\$32.00		
C1	Swab/Bulk Culture - Identification and Enumeration of Fungi		\$45.00		
C2	Swab/Bulk Culture - Identification and Enumeration of	\$45.00			
C3	Swab/Bulk Culture - Identification and Enumeration of Fungi		\$55.00		
C4	Swab/Bulk Culture - Identification and Enumeration of	\$45.00			
<b>Test Code</b>	<b>Viable + PCR/DNA</b>	<b>2-4 Days</b>	<b>7-10 Days</b>		
CA1	Preliminary Report with Genus ID -> Client Selects	\$45 + \$95/species			
CA2	Genus ID with Speciation of the Top 3 Organisms (Bacteria	\$250.00			
L1	<b>Subculture to Purify Isolate &gt; Final Results via DFA</b>		<b>\$110.00</b>		